

Applicant : R. Scott Repp and Pamela M. Stallman  
Page : 3

Page 20, line 3:

After "No. 897,764, filed June 12, 1992," please insert ~~now~~ issued as

A<sup>5</sup> United States Patent No. 5,331,784,

Page 20, line 7:

After "filed March 5, 1993," please insert ~~now~~ issued as United States

A<sup>6</sup> Patent No. 5,544,458,

IN THE CLAIMS:

Please cancel claim 1 prior to examination.

Please add the following new claims 2-24 prior to examination:

-2-

A<sup>7</sup> *Sub 7B*  
A hinged window assembly for use in a vehicle, the window assembly adapted to be mounted in a window opening in a vehicle body, said assembly comprising:

a glass sheet having inner and outer surfaces terminating in a peripheral edge defining a shape to fit within the window opening;

a substantially opaque coating on a predetermined portion of said inner sheet surface, said opaque coating being adjacent to said peripheral edge along at least portions thereof;

a hinge mounting area adjacent one edge portion of said peripheral edge, said opaque coating being included on said hinge mounting area;

a hinge bonded to said opaque coating on said hinge mounting area and hingedly securing said glass sheet in the window opening for movement between open and closed positions, said hinge having a bonding area of at least two square inches and an aspect ratio of at least one,

27

Applicant : R. Scott Repp and Pamela M. Stallman  
Page : 4

said glass sheet having a surface area of at least 250 square inches;

said bonding of said hinge to said opaque coating on said mounting area being sufficiently strong to withstand a straight pull test of about 150 pounds at a rate of about 25 millimeters per minute, said straight pull test being performed after soaking said window assembly in water for at least 100 hours, said water being at a temperature of about 80°C ;

an adhesive between said opaque coating and said hinge bonding area, said adhesive bonding said hinge to said opaque coating such that there is no exposure of said hinge on said outer surface of said glass sheet whereby said hinge, when bonded to said hinge mounting area, is substantially hidden from view from said outer surface of said glass sheet by said opaque coating.

The hinged window assembly of claim 2, wherein said adhesive is selected from the group consisting essentially of: moisture-activated adhesives, thermally-activated adhesives, chemically-activated adhesives, aerobically-cured adhesives, anaerobically-cured adhesives, and radiation-cured adhesives.

The hinged window assembly of claim 2 further including an adhesion-promoting compound between said opaque coating and said adhesive bonding said hinge to said glass sheet.

The hinged window assembly of claim 4 wherein said adhesive is a moisture activated adhesive.

Applicant : R. Scott Repp and Pamela M. Stallman  
Page : 5

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The hinged window assembly of claim 4 wherein said adhesive is a thermally activated adhesive.

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The hinged window assembly of claim 4 wherein said adhesive is a chemically activated adhesive.

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The hinged window assembly of claim 4 wherein said adhesive comprises an activated adhesive.

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The hinged window assembly of claim 2 wherein said hinge has at least one projection for spacing said hinge from said opaque coating, said adhesive between said opaque coating and said hinge having a thickness defined by said projection.

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The hinged window assembly of claim 2 wherein said adhesive is a moisture activated adhesive.

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The hinged window assembly of claim 2 wherein said adhesive is a thermally activated adhesive.

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The hinged window assembly of claim 2 wherein said adhesive is a chemically activated adhesive.

Applicant : R. Scott Repp and Pamela M. Stallman  
Page : 6

12  
-13-

The hinged window assembly of claim <sup>1</sup>/<sub>2</sub> wherein said hinge is formed from one of a metal, plastic and composite material.

13  
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The hinged window assembly of claim <sup>1</sup>/<sub>2</sub> wherein said hinge includes at least one perforation therethrough for access to said adhesive and for providing a mechanical bonding surface for said adhesive.

14  
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The hinged window assembly of claim <sup>1</sup>/<sub>2</sub> wherein said hinge bonding area is no greater than about 1.6% of said outer surface area of said sheet.

15  
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The hinged window assembly of claim <sup>114</sup>/<sub>15</sub> wherein said hinge is formed from one of metal, plastic and composite material.

-17-

*Sub p2*  
The hinged window assembly of claim 2 wherein the vehicle is one of a van, a station wagon, a utility vehicle and a truck.

16  
-18-

The hinged window assembly of claim <sup>1</sup>/<sub>2</sub> wherein said hinge has a bonding area of at least four square inches.

17  
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The hinged window assembly of claim <sup>16</sup>/<sub>18</sub> wherein said hinge has a bonding area of between about four and fifty square inches.

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